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› Universal 12V Auto Car Alarm, Car Vehicle Security System Burglar Alarm Protection Anti-Theft System with 2 Remote Controls User Manual

## Mulcort B09YVHPS9J

# Universal 12V Auto Car Alarm System User Manual

Model: B09YVHPS9J | Brand: Mulcort

## 1. INTRODUCTION

Thank you for choosing the Mulcort Universal 12V Auto Car Alarm System. This comprehensive security system is designed to protect your vehicle from theft and unauthorized access, offering peace of mind through advanced features and reliable performance. This manual provides detailed instructions for the proper installation, operation, and maintenance of your new car alarm system.

## 2. PRODUCT OVERVIEW

The Mulcort Universal 12V Auto Car Alarm System is a multi-level security solution compatible with various 12V DC car types. It includes a main control unit, two remote controls, a siren, and all necessary wiring and sensors for a complete installation.

### 2.1. Components Included

- Main Control Unit
- 2 Remote Controls
- Siren
- Wiring Harness
- Sensors (e.g., shock sensor, door pin switches)
- Relay



Image: Overview of all components included in the Mulcort Car Alarm System package.

## 2.2. Key Features

- **Universal Compatibility:** Designed for various 12V DC car types.
- **Multi-Level Security:** High reliability and quality for comprehensive protection.
- **Remote Control Convenience:** Two remote controls for easy arming, disarming, and other functions.
- **Sound Alarm Feature:** Built-in siren provides an effective deterrent.
- **Automatic Re-arm:** System can automatically re-arm after disarming if no door is opened.
- **Anti-Hijack (Anti-asalto) Functions:** Features like anti-hijack by transmitter and ignition for enhanced security.
- **Ignition Security:** Options for closing and opening ignition security.
- **False Alarm Exclusion:** Designed to minimize false alarms.
- **Window Roll-up Module Output:** Provides an output to activate an optional window roll-up module.

## 3. SETUP AND INSTALLATION

Installation of this car alarm system requires knowledge of automotive electrical systems. It is highly recommended that installation be performed by a qualified professional to ensure proper functionality and avoid damage to your vehicle.

### 3.1. Main Control Unit Placement

Mount the main control unit securely inside the vehicle, preferably in a hidden location to prevent tampering. Ensure it is protected from moisture and excessive heat.



Image: Main control unit with connection ports.

### 3.2. Wiring Connections

Refer to the included wiring diagram for specific connections. Key connections typically include:

- **Power (12V DC):** Connect to a constant 12V power source.
- **Ground:** Connect to a solid chassis ground point.
- **Ignition:** Connect to the vehicle's ignition wire.
- **Door Triggers:** Connect to door pin switches (positive or negative trigger, depending on vehicle).
- **Trunk Trigger:** Connect to the trunk switch.
- **Siren Output:** Connect to the siren.
- **Turn Signal Outputs:** Connect to the vehicle's turn signal wires for visual confirmation.
- **Central Locking Outputs:** Connect to the vehicle's central locking system for lock/unlock functionality.

### 3.3. Sensor Installation

Install the shock sensor in a central location within the vehicle, ensuring it is securely mounted to detect impacts effectively. Adjust sensitivity as needed after installation.

### 3.4. Siren Mounting

Mount the siren in the engine bay, away from direct heat and water, with the horn facing downwards to prevent water accumulation. Ensure it is securely fastened.



Image: The alarm siren.

#### **4. OPERATING INSTRUCTIONS**

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The system is operated primarily using the two provided remote controls. Familiarize yourself with the buttons and their functions.



Image: The two remote controls.

#### 4.1. Remote Control Functions

- **Lock Button (Closed Lock Icon):** Press once to arm the system and lock the doors. The turn signals will flash, and the siren will chirp once.
- **Unlock Button (Open Lock Icon):** Press once to disarm the system and unlock the doors. The turn signals will flash, and the siren will chirp twice.
- **Trunk Release Button (Trunk Icon):** Press and hold to open the trunk (if connected).
- **Panic/Car Finder Button (Star Icon):** Press to activate the panic alarm (siren sounds, lights flash). Press again to stop. Can also be used to locate your car in a parking lot.

#### 4.2. Advanced Security Features

- **Auto Armed:** The system can be configured to automatically arm after a set period if the ignition is turned off and doors are closed.
- **Automatic Re-arm:** If the system is disarmed but no door is opened within a certain time, it will automatically re-arm to prevent accidental disarming.
- **Ignition Security:** Features to close or open security functions based on ignition status.
- **Acoustic Arm and Disarm:** Audible confirmation (chirps) when arming or disarming.
- **Anti-Hijack (Anti-asalto) by Transmitter:** A security feature that can be activated via the transmitter to prevent vehicle theft during a carjacking attempt.
- **Anti-Hijack (Anti-asalto) by Ignition:** A security feature that activates if the ignition is tampered with or turned on without authorization.
- **Engine Failure during Anti-Hijack:** During the second phase of an anti-hijack event, the system can be configured to cause engine failure.
- **Exclusion of False Alarms:** The system is designed with algorithms to reduce instances of false alarms.
- **Delay Line Buttons by Courtesy Light:** Allows for a delay in arming based on the courtesy light.

- **Pulse Type of Channel 3:** Refers to the output signal type for the third channel, often used for additional accessories.
- **Intermittent Horn (Connect):** Allows for the horn to sound intermittently during an alarm event.
- **Acoustic Warning Activation of Anti-Hijack:** Provides an audible warning when the anti-hijack feature is activated.
- **Security Lock with Automatic Re-arm:** Combines security locking with the automatic re-arm function.
- **Anti-Hijack Presence (Additional Transmitter):** May refer to a feature that uses an additional transmitter for anti-hijack functionality.
- **Output to Activate Window Roll-up Module:** A dedicated output signal for connecting an optional window roll-up module.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your car alarm system.

- **Remote Control Batteries:** Replace batteries in the remote controls when the range decreases or the LED indicator dims. Typically, these use small coin-cell batteries.
- **System Cleaning:** Keep the main control unit and sensors free from dust and debris. Do not use harsh chemicals or excessive moisture.
- **Wiring Inspection:** Periodically check all wiring connections for signs of wear, corrosion, or looseness. Ensure all connections are secure.
- **Siren Check:** Ensure the siren is free from obstructions and its sound output is clear.

## 6. TROUBLESHOOTING

If you encounter issues with your Mulcort car alarm system, refer to the following common problems and solutions:

| Problem                                       | Possible Cause   | Solution  |
|---|--|---|
| System does not arm/disarm with remote.       | Dead remote battery, remote out of range, system malfunction.            | Replace remote battery. Move closer to the vehicle. Check system wiring.  |
| Alarm triggers frequently (false alarms).     | Shock sensor sensitivity too high, faulty door pin switch, loose wiring. | Adjust shock sensor sensitivity. Inspect and repair door pin switches. Secure all wiring connections.                     |
| Siren volume is low or no sound.              | Siren wiring issue, faulty siren, low power supply.                      | Check siren connections. Test siren directly with 12V power. Ensure stable power supply to the main unit.                 |
| Doors do not lock/unlock.                     | Central locking wiring issue, vehicle's central locking system fault.    | Verify central locking connections from the alarm unit. Consult a professional if vehicle's central locking is suspected. |
| Engine does not start after alarm activation. | Immobilizer activated, system in anti-hijack mode.                       | Disarm the system completely. If anti-hijack was triggered, follow the specific disarming procedure for that feature.     |

If the problem persists after attempting these solutions, please contact a qualified automotive technician or Mulcort customer support for assistance.

## 7. SPECIFICATIONS

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| Specification        | Value                          |
|----------------------|--------------------------------|
| Model Number         | B09YVHPS9J                     |
| Item Weight          | 1.15 pounds                    |
| Package Dimensions   | 6.97 x 4.72 x 3.5 inches       |
| Wireless Remote      | Yes                            |
| Compatible Devices   | Different types of DC 12V cars |
| Maximum Remote Range | 100 Meters                     |
| Manufacturer         | Mulcort                        |

## 8. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the product packaging or contact Mulcort customer service directly. Keep your purchase receipt as proof of purchase.

For further assistance, please visit the Mulcort Store on Amazon or contact their support channels.

*Note: Product specifications and features are subject to change without prior notice.*